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What's New

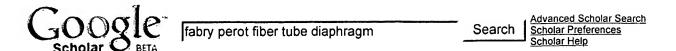
- Feb 01 2006: <u>Applied Optics: Vol. 45, No. 4</u>, is now available.
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☐ Journal of Display Technology	
☐ Chinese Optics Letters	

□ Virtual J. Biomed. Opt.



Results 1 - 10 of about 131 for fabry perot fiber tube diaphragm. (0.13 seconds)

High-sensitivity intrinsic fiber-optic Fabry-Perot pressure sensor

TW Kao, HF Taylor - elastic - ol.osa.org ... air pump provides pressure in the **tube**, which varies ... for smart structure based upon the **Fabry–Perot** interferometer," in **Fiber** Optics Smart ... Cited by 14 - Web Search - ol.osa.org - csa.com - adsabs.harvard.edu

New generation of Fabry-Perot fiber optic sensors for monitoring of structures

P Choquet, F Juneau, F Bessette - 2000 - roctest.com ... are transferred from the structure to the small **tube**. ... Stainless steel **diaphragm Fiber** optic cable ... 13: Operating principle of a **Fabry-Perot fiber** optic pressure ... Cited by 10 - Web Search - adsabs.harvard.edu - link.aip.org

Embedded micromachined fiber-optic Fabry-Perot pressure sensors in aerodynamics applications

MJ Gander, WN MacPherson, JS Barton, RL Reuben, ... - IEEE Sensors Journal, 2003 - ieeexplore.ieee.org ... of the sensor, in principle forming a **Fabry–Perot** sensing cavity. ... m wavelength LED delivered by a multimode **fiber**. ... exceeding 200 kHz in shock **tube** experiments ... Cited by 10 - Web Search - ieeexplore.ieee.org - pcm411.com - csa.com

Fiber Fabry-Perot Sensors for Detection of Partial Discharges in Power Transformers

B Yu, DW Kim, J Deng, H Xiao, A Wang - Applied Optics, 2003 - aoot.osa.org
... a fused-silica diaphragm and a single-mode optical fiber encap- sulated in a
fused-silica glass tube to form an extrinsic Fabry-Perot interferometer, which ...
Cited by 3 - Web Search - ao.osa.org - adsabs.harvard.edu - ncbi.nlm.nih.gov - all 7 versions »

A spatial spectral scanning technique for the Fabry-Perot spectrometer

GG Shepherd, CW Lake, JR Miller, LL Cogger - Appl. Opt, 1965 - ao.osa.org ... 9p is governed by the **tube** envelope and cathode relation ... and the diameter of an individual **fiber** is 100 ... is to be utilized in a **Fabry-Perot** spectrometer designed ... Cited by 18 - Web Search - aoot.osa.org - ao.osa.org

Prototype fiber-optic-based pressure probe with built-in temperature compensation with signal ...

YJ Rao, DA Jackson - APPLIED OPTICS, 1993 - ao.osa.org ... collimator (Selfoc FCP) pigtailed with a multimode **fiber** link. ... The **Fabry-Perot** cavity of the TP was fabricated with a ... on the end of the brass **tube** by adhesive ... Cited by 3 - Web Search - aoot.osa.org - aoot.osa.org - adsabs.harvard.edu - all 5 versions »

Blast-pressure measurement with a high-bandwidth fibre optic pressure sensor

WN MacPherson, MJ Gander, JS Barton, JDC Jones, CL ... - Measurement Science and Technology, 2000 - iop.org ... small-scale shock **tube** indicate that the rise time is less ... Kao TW and Taylor HF 1996 High-sensitivity intrinsic **fiber**-optic **Fabry–Perot** pressure sensor ... Cited by 4 - Web Search - ingentaconnect.com - adsabs.harvard.edu - csa.com - all 6 versions »

Miniature Fiber-Optic Pressure Sensor

Y Zhu, A Wang - IEEE Photonics Technology Letters, 2005 - ieeexplore.ieee.org ... fiber-optic sensors based on Fabry-Pérot (FP) interferometry ... ZHU AND WANG: MINIATURE FIBER-OPTIC PRESSURE SENSOR 449 ... sealed in a tube and pressurized by a ... Cited by 2 - Web Search - ieeexplore.ieee.org

Optical fiber sensor-based detection of partial discharges in power transformers

J Deng, H Xiao, W Huo, M Luo, R May, A Wang, Y Liu - Opt. Laser Technol, 2001 - ingentaconnect.com ... fiber optic sensor uses a silica diaphragm and a single mode optical fiber encapsulated in a silica glass tube to form an extrinsic Fabry-Perot interferometer. ...



Results 1 - 10 of about 125 for fabry perot fiber tube membrane. (0.06 seconds)

Extrinsic optical-fiber ultrasound sensor using a thin polymer film as a low-finesse Fabry-Perot ...

PC Beard, TN Mills - Appl. Opt, 1996 - ao.osa.org

... the separation of two optical fibers in a silica tube. ... film acting as a low-finesse

Fabry-Perot interferometer 19 ... is mounted at the end of an optical fiber. ...

Cited by 17 - Web Search - medphys.ucl.ac.uk - aoot.osa.org - adsabs.harvard.edu - all 6 versions »

Embedded micromachined fiber-optic Fabry-Perot pressure sensors in aerodynamics applications

MJ Gander, WN MacPherson, JS Barton, RL Reuben, ... - IEEE Sensors Journal, 2003 - ieeexplore.ieee.org ... correspond to reflections of the shock front within the shock tube. ... GANDER et al.:

EMBEDDED MICROMACHINED FIBER OPTIC FABRY-PEROT PRESSURE SENSORS 107 ...

Cited by 10 - Web Search - ieeexplore.ieee.org - pcm411.com - csa.com

Extrinsic Fabry-Perot interferometer vibration and acoustic sensor systems for airport ground ...

N Fuerstenau, M Schmidt, H Horack, W Goetze, W ... - IEE Proceedings Optoelectronics, 1997 - ieeexplore.ieee.org ... to these electromagnetic sen- sors, the fibre optic extrinsic **Fabry—Perot** microinter-ferometer (EFPI ... inside the terminal box and fed through a **tube** to the ...

Cited by 14 - Web Search - ieeexplore.ieee.org - csa.com - link.aip.org

Extrinsic Fabry-Perot interferometer for measuring the stiffness of ciliary bundles on hair cells

MD Barrett, EH Peterson, JW Grant - IEEE Transactions on Biomedical Engineering, 1999 - ieeexplore.ieee.org ... fiber is interrupted by a splice tube, which allows ... with hydrofluoric acid to remove

its fiber cladding and ... and the target is the extrinsic Fabry-Perot cavity ...

<u>Cited by 4 - Web Search - crab-lab.zool.ohiou.edu - ieeexplore.ieee.org - ncbi.nlm.nih.gov</u>

Versatile fiber-coupled system for simultaneous photon correlation spectroscopy and Fabry-Perot

RB Bogoslovov, DP Shelton, JC Selser, G Piet, S ... - Review of Scientific Instruments, 2004 - physics.unlv.edu ... 400 m) and directed to the photomultiplier **tube** (PMT). ... AND DISCUSSION A. Resolution

of the fiber-coupled plane-parallel Fabry-Perot interferometer ...

Cited by 1 - View as HTML - Web Search - link.aip.org - link.aip.org

Miniature fiber-optic multicavity Fabry-Perot interferometric biosensor

Y Zhang - 2005 - scholar.lib.vt.edu

... Keywords: Fabry-Perot interferometry, Fiber optic biosensor, Polyelectrolyte self-assembly, Temperature compensation ©Copyright 2005, Yan Zhang Page 2. ...

Cited by 1 - View as HTML - Web Search - ol.osa.org - scholar.lib.vt.edu - ncbi.nlm.nih.gov

An ultra-sensitive optical MEMS sensor for partial discharge detection

X Wang, B Li, Z Xiao, SH Lee, H Roman, OL Russo, ... - Journal of Micromechanics and Microengineering, 2005 - iop.org

... is used to place a ferruled **fiber** for **Fabry Perot** interrogation ... for the **fiber** and sets the baseline depth of the **fiber**. ... in figure 6. A 7 inch long **tube** is also ... Web Search - iop.org - ingentaconnect.com - adsabs.harvard.edu - all 5 versions »

Design of fiber optic sensor systems for low velocity impact detection

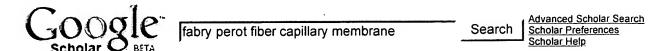
CC Chang, JS Sirkis - Smart Materials and Structures, 1998 - iop.org

... of meeting these requirements are extrinsic Fabry-Perot sensors [13] and in-line

fiber etalon (ILFE ... fusing a short segment of hollow tube fiber in between ...

Cited by 6 - Web Search - ingentaconnect.com - adsabs.harvard.edu - csa.com - all 7 versions »

Micromachined sensor design for optical-fiber flow measurement



Results 1 - 10 of about 78 for fabry perot fiber capillary membrane. (0.22 seconds)

Tunable InP/air gap Fabry Perot filter for wavelength division multiplex fiber optical transmission

J Daleiden, N Chitica, M Strassner, A Spisser, JL ... - Proc. 11th Int. Conf. InP and Related Materials - ieeexplore.ieee.org

... to avoid sticking effects due to **capillary** forces. ... of the tunable inP/air gap **Fabry Perot** filter. ... spontaneous emission of an erbium-doped **fiber** amplifier (EDFA ... Cited by 8 - Web Search - ieeexplore.ieee.org

Ultralow biased widely continuously tunable fabry-perot filter

S Irmer, J Daleiden, V Rangelov, C Prott, F Romer, ... - IEEE Photonics Technology Letters, 2003 - ieeexplore.ieee.org ... et al.: ULTRALOW BIASED WIDELY CONTINUOUSLY TUNABLE **FABRY-PÉROT** FILTER ... of the layers as a result of **capillary** forces. ... The **fiber** is located very close to the ... Cited by 18 - Web Search - ieeexplore.ieee.org - csa.com

Extrinsic Fabry-Perot interferometer vibration and acoustic sensor systems for airport ground ... N Fuerstenau, M Schmidt, H Horack, W Goetze, W ... - IEE Proceedings Optoelectronics, 1997 - ieeexplore.ieee.org ... The theoretical background of the extrinsic Fabry— Perot interferometer (EFPI) sensors is derived, and results of laboratory experiments as well as initial ... Cited by 14 - Web Search - ieeexplore.ieee.org - csa.com - link.aip.org

Miniature fiber-optic multicavity Fabry-Perot interferometric biosensor

Y Zhang - 2005 - scholar.lib.vt.edu ... Keywords: Fabry-Perot interferometry, Fiber optic biosensor, Polyelectrolyte self-assembly, Temperature compensation ©Copyright 2005, Yan Zhang Page 2. ... Cited by 1 - View as HTML - Web Search - ol.osa.org - scholar.lib.vt.edu - ncbi.nlm.nih.gov

Geotechnical pressure cell using a long-term reliable high-precision fiber optic sensor head R Gloetzl, G GmbH, D Hofmann, F Basedau, W Habel - gloetzl.de ... reactions of the sensing element to the tiny membrane. ... able to slide in a tiny capillary [3], is ... This movable fiber Fabry-Pérot sensor is driven by a change ... View as HTML - Web Search - link.aip.org

INTEGRATED TUNABLE OPTICAL INTERFEROMETER

O USING, OS MICROMACHINING - ieeexplore.ieee.org ... Si surface as a result of attractive **capillary** forces and ... MEMS presure sencor labricated on an optical **fiber**". ... "Surface micromachined **Fabry-Perot** Tunable Filter ... Web Search

Micro-mechanical voltage tunable Fabry-Perot filters formed in (111) silicon

JD Patterson - 1997 - techreports.larc.nasa.gov
... tuning range of by micro-mechanical **Fabry-Perot** filters along with ... selective nature
of the micro-mechanical **Fabry-**Perots is optical **fiber** communications. ...

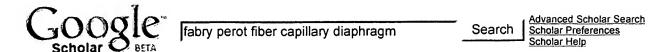
Cited by 8 - View as HTML - Web Search - cs.odu.edu - adsabs.harvard.edu - all 4 versions » - Library Search

Tunable InP-based microcavity devices for optical communication systems

J Daleiden, N Chitica, M Strassner - Sensors and Materials, 2002 - uni-kassel.de ... Optical **fiber** communication using wavelength division multiplexing ... **Fabry-Perot** (FP) filters [Vail95] [Tayebati98], highly ... a way that the **capillary** forces are ... Cited by 3 - View as HTML - Web Search - myu-inc.jp

<u>Lightning-safe diaphragm pressure gauge for geotechnical applications using a long-term reliable ...</u> D Hofmann, F Basedau, WR Habel, R Gloetzl - Saratov Fall Meeting 2003: Laser Physics and Photonics, ..., 2004 - gloetzl.de

http://scholar.google.com/scholar?hl=en&lr=&q=fabry+perot+fiber+capillary+membrane&btnG=Sear... 2/2/06



Results 1 - 10 of about 47 for fabry perot fiber capillary diaphragm. (0.22 seconds)

New generation of Fabry-Perot fiber optic sensors for monitoring of structures

P Choquet, F Juneau, F Bessette - 2000 - roctest.com ... of the optical fiber and the capillary of glass ... Stainless steel diaphragm Fiber optic cable ... Figure 13: Operating principle of a Fabry-Perot fiber optic pressure ... Cited by 10 - Web Search - adsabs harvard.edu - link.aip.org

Fabrication and test of a thermopneumatic micropump with a corrugated pq diaphragm

OC Jeong, SS Yang - Sensors and Actuators, 2000 - mems.ajou.ac.kr ... Also, the capillary forces acting on the menisci in ... Jerman, J. Clift, in: Miniature Fabry-Perot Interferometers Mi ... Silicon for Use in Optical Fiber WDM Systems ... Cited by 38 - View as HTML - Web Search - ingentaconnect.com - ingentaconnect.com

Ultra-miniature fiber-optic pressure sensor using white light interferometry

K Totsu, Y Haga, M Esashi - Journal of Micromechanics and Microengineering, 2005 - iop.org ... Fabry-Perot interferometer (FPI) at the fiber end ... figure 4. The silicon column keeps the sensing element parallel to the fiber end in the glass capillary. ... Cited by 1 - Web Search - iop.org - ingentaconnect.com - adsabs.harvard.edu - all 5 versions »

Miniature fiber-optic multicavity Fabry-Perot interferometric biosensor

Y Zhang - 2005 - scholar.lib.vt.edu ... 51 Chapter 3 Microgap multicavity Fabry-Perot sensor ... 90 4.4.1 Self-assembly on fiber end ... Figure 2.2 Structure of miniature FFPI sensors. (a) Diaphragm-based FFPI ... Cited by 1 - View as HTML - Web Search - ol.osa.org - scholar.lib.vt.edu - ncbi.nlm.nih.gov

Lightning-safe diaphragm pressure gauge for geotechnical applications using a long-term reliable

D Hofmann, F Basedau, WR Habel, R Gloetzl - Saratov Fall Meeting 2003: Laser Physics and Photonics, ..., 2004 gloetzl.de

... which is able to slide in a tiny capillary [3], is used ... [2] M. Schmidt, B. Werther,

N. Fürstenau: Fiber-Optic Extrinsic Fabry-Perot Interferometer Strain ...

Cited by 1 - View as HTML - Web Search - adsabs.harvard.edu - link.aip.org

Multiplexed sensor system for simultaneous measurement of pressure and temperature.

W Li, DC Abeysinghe, JT Boyd - Optical Engineering, 2004 - link.aip.org ... of fused silica glass for hollow capillary optical leaky ... thickness when using a chirped fiber grating to ... (The temperature range of a Fabry-Pérot sensor is ... Cited by 1 - Web Search - csa.com - adsabs.harvard.edu

Fiber optic sensors for predictive health monitoring

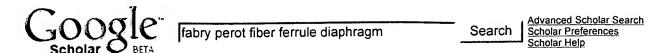
JW Borinski, CD Boyd, JA Dietz, JC Duke, MR Home, ... - AUTOTESTCON Proceedings, 2001. IEEE Systems Readiness ..., 2001 - ieeexplore.ieee.org ... The conventional extrinsic Fabry-Perot interferometric (EFPI) sensor geometry ... a signal fiber and reflector fiber aligned within a silica capillary tube. ...

Cited by 2 - Web Search - ieeexplore.ieee.org

ADVANCES IN FABRY-PEROT FIBER OPTIC SENSORS AND INSTRUMENTS FOR GEOTECHNICAL MONITORING

F OPTIC - roctest.com

... Capillary tube ... order to obtain a linear relationship between diaphragm deflection and ... Figure 5. Operating principle of a Fabry-Perot fiber optic piezometer ... Web Search



Results 1 - 10 of about 15 for fabry perot fiber ferrule diaphragm. (0.21 seconds)

Fiber Fabry-Perot Sensors for Detection of Partial Discharges in Power Transformers

B Yu. DW Kim, J Deng, H Xiao, A Wang - Applied Optics, 2003 - aoot.osa.org ... 1. Schematic of a fiber Fabry-Perot acoustic sensor system: SMF, single-mode ... we fabricated a sensor head by thermally bonding a fiber, a ferrule, a silica ... Cited by 3 - Web Search - ao.osa.org - adsabs.harvard.edu - ncbi.nlm.nih.gov - all 7 versions »

Blast-pressure measurement with a high-bandwidth fibre optic pressure sensor

WN MacPherson, MJ Gander, JS Barton, JDC Jones, CL ... - Measurement Science and Technology, 2000 - iop.org ... of the film and its attachment to the ferrule to form ... 3] Kao TW and Taylor HF 1996 High-sensitivity intrinsic fiber-optic Fabry-Perot pressure sensor ... Cited by 4 - Web Search - ingentaconnect.com - adsabs.harvard.edu - csa.com - all 6 versions »

A Novel Temperature-Insensitive Optical Fiber Pressure Sensor for Harsh Environments

J Xu, G Pickrell, X Wang, W Peng, K Cooper, A Wang - IEEE Photonics Technology Letters, 2005 - ieeexplore.ieee.org ... only the diaphragm thickness or the ferrule pit diameter. ... 1. The length of the Fabry-Pérot (FP) cavity (air ... is injected into the optical fiber and reflected ... Cited by 1 - Web Search

Miniature fiber-optic multicavity Fabry-Perot interferometric biosensor

Y Zhang - 2005 - scholar.lib.vt.edu ... 51 Chapter 3 Microgap multicavity Fabry-Perot sensor ... 90 4.4.1 Self-assembly on fiber end ... Figure 2.2 Structure of miniature FFPI sensors. (a) Diaphragm-based FFPI ... Cited by 1 - View as HTML - Web Search - ol.osa.org - scholar.lib.vt.edu - ncbi.nlm.nih.gov

Fiber Optic Pressure Sensor Fabrication Using MEMS Technology

X Chen - 2003 - scholar.lib.vt.edu ... form extrinsic Fabry-Perot (FP) interferometric cavities. Sol-gel is used as an intermediate-layer for both fiber-ferrule bonding and ferrule-diaphragm bonding ... Cached - Web Search - scholar lib vt.edu

Fiber Optic Microphone

YC Cho, T George - 1999., 1999 - csa.com

... Fabry-Perot interferometry. The sensing head is composed of an optical fiber terminated in a miniature ferrule with a thin, silicon-microfabricated diaphragm ... Web Search

AfAA

HTFO Pressure - pdf.aiaa.org ... SUS flange Zirconia ferrule Metal housing Optical fiber Metal iaphragm Fig.2 Sensor head. Extrinsic Fabry-Perot interferometeris ... Web Search - pdf.aiaa.org

Development of Novel Optical Fiber Interferometric Sensors with High Sensitivity for Acoustic ...

J Deng - 2004 - scholar.lib.vt.edu ... intensity in a Fabry-Perot interferometer 16 ... Photograph of three diaphragm-based sensor ... surrounding the fiber-ferrule assembly ... View as HTML - Web Search - scholar.lib.vt.edu

Study On a Novel Optical Fiber Pressure Sensor

G Wang, V Fu, ME Welland, HP Hodson, J Ma - Electronic Packaging Technology Proceedings, 2003. ICEPT2003 ..., 2003 - ieeexplore.ieee.org

... distance, 1, between the fiber end face and inner diaphragm face, the Fabry-Perot



Results 1 - 10 of about 15 for fabry perot fiber ferrule membrane. (0.07 seconds)

Extrinsic Fabry-Perot interferometer fiber-optic microphone

N Furstenau, H Horack, W Schmidt - IEEE Transactions on Instrumentation and Measurement, 1998 - ieeexplore.ieee.org

... the two FP-mirrors via tilting of the ferrule [tilt angle ... Page 2. FURSTENAU et al.: EXTRINSIC FABRY-PEROT INTERFEROMETER FIBER-OPTIC MICROPHONE ... Cited by 7 - Web Search - ieeexplore.ieee.org

Extrinsic Fabry-Perot interferometer vibration and acoustic sensor systems for airport ground ...

N Fuerstenau, M Schmidt, H Horack, W Goetze, W ... - IEE Proceedings Optoelectronics, 1997 - ieeexplore ieee.org ... The theoretical background of the extrinsic Fabry—Perot interferometer (EFPI) sensors is derived, and results of laboratory experiments as well as initial ... Cited by 14 - Web Search - ieeexplore.ieee.org - csa.com - link.aip.org

Micromechanical fiber-optic attenuator with 3 s response

JE Ford, JA Walker, DS Greywall, KW Goossen - J. Lightwave Technol, 1998 - ieeexplore.ieee.org ... treating the mod- ulator as a Fabry-Perot etalon with ... the original position (from the membrane tension force ... 7. (a) Dual fiber ferrule and assembly of ferrule ... Cited by 27 - Web Search - jlt.osa.org - toshi.fujita3.iis.u-tokyo.ac.jp - adsabs.harvard.edu - all 6 versions »

Continuously tunable photopumped 1.3- m fiber Fabry—Perot surface-emitting lasers

K Hsu, CM Miller, D Babic, D Houng, A Taylor - IEEE Photon. Technol. Lett, 1998 - ieeexplore.ieee.org ... and a suspended deformable-membrane mirror [6 ... s are bonded onto metal ferrule submounts to ... D. Marcuse, "Ultrahigh finesse fiber Fabry-Perot interfer- ometers ... Cited by 4 - Web Search - ieeexplore.ieee.org

Miniature fiber-optic multicavity Fabry-Perot interferometric biosensor

Y Zhang - 2005 - scholar.lib.vt.edu

... Keywords: Fabry-Perot interferometry, Fiber optic biosensor, Polyelectrolyte selfassembly, Temperature compensation ©Copyright 2005, Yan Zhang Page 2. ... Cited by 1 - View as HTML - Web Search - ol.osa.org - scholar.lib.vt.edu - ncbi.nlm.nih.gov

Extrinsic Fabry-Perot Interferometer Fiber

N Furstenau, H Horack, W Schmidt - ieeexplore.ieee.org ... L=Fabty-Perot cavity length, PD= phobdioda ... is based on an extrinsic Fabry - Perst interferometer (EFPI-A ... coupled to the reflector fiber ferrule for transferring ... Web Search

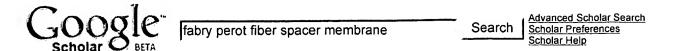
WAVELENGTH TUNING IN PHOTO-PUMPED 1 3 pm FIBER FABRY-PEROT SURFACE EMITTING LASERS

K Hsu, CM Miller, D Babic, D Houng, A Taylor - ieeexplore.ieee.org ... hy- brid configuration forms the fiber Fabry-Perot surface- emitting ... The fiber optic components are mounted in ... VCSELs are bonded onto metal ferrule sub- mounts ... Web Search - ieeexplore.ieee.org

Fiber Optic Microphone

YC Cho, T George - 1999., 1999 - csa.com ... sensing technique employed was fiber optic Fabry-Perot interferometry ... optical fiber terminated in a miniature ferrule with a ... fiber is a single mode fiber with a ... Web Search

Micro-metal-forming technology using specially designed microtool



Results 1 - 10 of about 52 for fabry perot fiber spacer membrane. (0.07 seconds)

<u>Transduction Mechanisms of the Fabry-Perot Polymer Film Sensing Concept for Wideband Ultrasound ...</u>

WCI GJA - ieeexplore.ieee.org

... that of a calibrated PVDF' membrane hydrophone using ... polyiriei' film acting as a

Fabry—Perot sensing iriterferometer ... tip of cii optiel fiber [i.]. These ...

Cited by 19 - Web Search - medphys.ucl.ac.uk - medphys.ucl.ac.uk - csa.com - all 5 versions »

Optical multilayer detection array for fast ultrasonic field mapping

V Wilkens, K Ch - Optics Letters - ol.osa.org

... 1). The Fabry-Perot or interference filter structure, which is a ... ment, 2 comprises

a central I 2 spacer layer and ... expensive to apply in the case of fiber tips ...

Cited by 17 - Web Search - ol.osa.org - ibredesign.osa.org - adsabs.harvard.edu

Fabry Perot polymer film fibre-optic hydrophones and arrays for ultrasound field characterisation

BT Cox, EZ Zhang, JG Laufer, PC Beard - Journal of Physics Conference Series, 2004 - iop.org ... in figure 2. By using a thinner **spacer** of 10 ... Mills TN, Transduction mechanisms of

the Fabry Perot polymer film ... 5 Wilkens V and Koch Ch., Fiber optic multilayer ...

Cited by 1 - Web Search - medphys.ucl.ac.uk - medphys.ucl.ac.uk - all 4 versions »

Frequency response of a fiber-optic dielectric multilayer hydrophone

V Wilkens, C Koch, W Molkenstruck - Proceedings of the 2000 IEEE Ultrasonics Symposium, San Juan ..., 2000 - ieeexplore ieee.org

... 1). The high-finesse **Fabry-Perot** structure (also known as ... layers, with the exception of the **spacer** layer with ... of a polymer film optical **fiber** hydrophone for ...

Cited by 6 - Web Search - ieeexplore.ieee.org

MICRO-MACHINED TUNABLE OPTICAL FILTERS WITH OPTIMIZED BAND-PASS SPECTRUM

D Hohlfeld, H Zappe - TRANSDUCERS, Solid-State Sensors, Actuators and Microsystems ..., 2003 - ieeexplore ieee.org ... In contrast to conventional **Fabry- Perot** designs all-dielectric optical ... the basic all-dielectric Fably-**Perot** filter is ... outer diameter of the glass **fiber** at the ... Cited by 2 - Web Search - toshi fujita3.iis.u-tokyo.ac.jp - ieeexplore.ieee.org

HYBRID OPTICAL ASSEMBLY TECHNIQUE FOR TUNABLE OPTICAL FILTER ARRAYS

D Hohlfeld, H Zappe - ieeexplore.ieee.org

... device shucture consisting of three identical **Fabry-Perot** filters. ... are placed using precision-diced **spacer** elements ... The **fiber** ends are moved close to the filter ... Web Search - ieeexplore ieee org

111-V Membrane Structures for Tunable Fabry-PCrot Filters and Sensor Applications

HL Hartnagel, J Pfeiffer, K Mutamba, J Peerlings, ... - ieeexplore.ieee.org ... division multiplexing (WDM) system for optical **fiber** communication which ... In this case the **spacer** layer is grown ... of Bragg niirrors used in **Fabry-Perot** filters ... Web Search

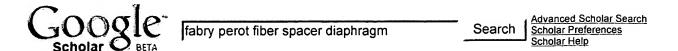
Micromachined Optical Sensors utilizing Embedded Fabry-Perot Cavity for High-Resolution Detection

EJ Eklund - 2005 - jespereklund.com

... index of the fiber due to photoelastic effects [20]. In FPI-based pressure sensors,

a membrane is utilized as one of the mirrors of a Fabry-Perot interferometer ...

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Results 1 - 10 of about 27 for fabry perot fiber spacer diaphragm. (0.06 seconds)

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JH Jerman, SR Mallinson, D Fabrication - ieeexplore.ieee.org ... mined by the thickness of the spacer layer. ... Wavelength-selective filters for

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K Totsu, Y Haga, M Esashi - TRANSDUCERS, Solid-State Sensors, Actuators and Microsystems ..., 2003 ieeexplore.ieee.org

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DV Tishinin, PD Dapkus, AE Bond, I Kim, CK Lin, JO ... - IEEE Photonics Technology Letters, 1999 - ieeexplore.ieee.org ... layer and with air (broken line) spacer for 40 ... preserved by using only polarization maintaining fiber on the ... 5 are affected by the Fabry-Perot modes of the ... Cited by 34 - Web Search - csl.usc.edu - ieeexplore.ieee.org

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